

L-46R

Laser Barcode Scanner



Highlights

- Ergonomic design delivering the perfect combination of performance, durability and reliability
- Ideal solution for a variety of applications in retail, warehousing, distribution, healthcare, transportation and logistics
- 100 scans/second high speed laser scanner
- Durable—survives six foot drop to concrete
- IP42 rating against dust and moisture
- Trigger modes: manual, auto-trigger and stand detection
- Communication interface: USB or RS232
- Interchangeable cables, making it easy to switch between USB or RS232
- Antimicrobial coating optional
- Available in black or white
- Stand included
- Backed by a two year warranty

L-46R

Product Specifications

OPERATING INDICATORS

CPU: 32-bit AISC, 96 MHz
VISUAL: Red laser diode
AUDIBLE: Buzzer, vibrator (optional)

OPERATING KEYS

ENTRY OPTIONS: 1 scan key

COMMUNICATION

RS232: D-SUB9 pin (with external power supply)
USB: Version 2.0, HID/COM, USB-A connector

POWER

VOLTAGE REQUIREMENT: 5V
CURRENT CONSUMPTION: 155mA

BARCODE SCANNER OPTICS

LIGHT SOURCE: Red laser, 645 - 664 nm
SCAN METHOD: 650 nm red laser diode, bi-directional scanning
SCAN RATE: 100 scans/sec
TRIGGER MODE: Manual, auto-trigger stand detection
READING PITCH ANGLE: -35 to 0°, 0 to +35°
READING SKEW ANGLE: -50 to 0°, 0 to +50°
READING TILT ANGLE: -20 to 0°, 0 to +20°
CURVATURE: R>15 mm (EAN8), R>20 mm (EAN13)
MINIMUM RESOLUTION AT PCS 0.9: 0.076 mm
MINIMUM PCS VALUE: 0.2

DEPTH OF FIELD:

39 mil (1 mm) 0.79 - 35.24 in (20 - 895 mm)
20 mil (0.5 mm) 0 - 19.49 in (0 - 495 mm)
15 mil (0.33 mm) 0 - 11.81 in (0 - 300 mm)
9.84 mil (0.25 mm) 0.2 - 7.87 in (5 - 200 mm)
6 mil (0.15 mm) 0.2 - 3.54 in (5 - 90 mm)
5 mil (0.127 mm) 0.39 - 2.36 in (10 - 60mm)

SUPPORTED SYMBOLOGIES

UPC-A, UPC-A Add-on, UPC-E, UPC-E Add-on, EAN-13, EAN-13 Add-on, EAN-8, EAN-8 Add-on, Code 39, NW-7 (Codabar), Industrial 2 of 5, Interleaved 2 of 5, Code 93, Code 128, GS1-128, MSI/Plessey, Matrix 2of5, Code 11, GS1 DataBar, GS1 DataBar Limited, GS1 DataBar Expanded, PDF417, MicroPDF417

DURABILITY

TEMPERATURE:
Operation: 23 to 122 °F (-5 to 50 °C)
Storage: -22 to 140 °F (-30 to 60 °C)
HUMIDITY:
Operation: 5 - 90% (non-condensing)
Storage: 5 - 90% (non-condensing)
AMBIENT LIGHT IMMUNITY:
Fluorescent: 4,000 lx
Direct sun: 80,000 lx
DROP TEST: 6 ft (1.8 m) drop onto concrete surface
VIBRATION TEST: 10 - 100 Hz with 2G for 1 hour
PROTECTION RATE: IP 42

PHYSICAL

DIMENSIONS (WXHxD):
Scanner: 4.15 x 6.04 x 2.36 in (105.4 x 153.4 x 60 mm)
Stand: 2.09 x 4.41 x 2.87 in (53 x 112 x 73 mm)
WEIGHT:
Body (excl. cable): Ca. 3.9 oz (112 g)
Body: Ca. 12.9 oz (365 g)
CASE: Black or white

REGULATORY AND SAFETY

PRODUCT COMPLIANCE: CE, FCC, VCCI Class B, RoHS, IEC/EN 60825-1:2014, JIS C 6802:2014, CDRH Class II, EN55032, EN6100
L46RWU1-01 Disinfectant Ready
ENCLOSED ITEMS

POWER SUPPLY: 5V/2A (for RS232)

STAND

MODELS

INTERFACE VERSIONS: RS232, USB



© 2017 Opticon. All rights reserved. This information is subject to change without prior notice. For availability, contact your local representative. L-46R_080417

